

FIGURE 1

5

TNVs ATGGGGTTTGGGCTGAGCTGGGTTTTCTCGTTGCTCTTTTAAGA

10

germline Q V Q L V E S G G G V
CAGGTGCAGCTGGTGGAGTCTGGGGGAGGCGTG
TNVs GGTGTCCAGTGT.....
TNV148 (B) GGTGTCCAGTGT.....A.....

15

germline V Q P G R S L R L S C A A S G
GTCCAGCCTGGGAGGTCCCTGAGACTCTCCTGTGCAGCCTCTGGA
TNVs

20

germline F T F S S Y A M H W V R Q A P
TTCACCTTCAGTAGCTATGCTATGCACTGGGTCCGCCAGGCTCCA
TNV14,15
TNV148 (B)T.....
TNV196C.....

25

germline G K G L E W V A V I S Y D G S
GGCAAGGGGCTGGAGTGGGTGGCAGTTATATCATATGATGGAAGC
TNV14A....C.T.....T
TNV15T.....T.....T
TNV148 (B)C.....T....G.....
TNV196T.....

30

germline N K Y Y A D S V K G R F T I S
AATAAATACTACGCAGACTCCGTGAAGGGCCGATTACCATCTCC
TNV14 .GC...A.G.....G.....A.....
TNV15 ..C...A.G.....C.....
TNV148 (B)A.G.....
TNV196A.G.C.....G.....

40

FIGURE 2A

FOR 033 " 251022660

```

      R D N S K N T L Y Q M N S L
germline AGAGACAATTCCAAGAACACGCTGTATCTGCAAATGAACAGCCTG
TNV14      .....
TNV
```

```

          R   A   E   D   T   A   V   Y   Y   C   A   R
germline  AGAGCTGAGGACACGGCTGTGTATTACTGTGCGAGA
TNV
```

	<u>Y</u>	<u>Y</u>	<u>Y</u>	<u>Y</u>	<u>Y</u>	<u>G</u>
--	----------	----------	----------	----------	----------	----------

	G	Q	G	T	T	V	T	V	S	S
--	---	---	---	---	---	---	---	---	---	---

FIGURE 2B

TNVs

GAAGCCCCAGCTCAGCTTCTCTTCCTCCTACTCTGGCTC

5

germline
TNVs

E I V L T Q S P A T
GAAATTGTGTTGACACAGTCTCCAGCCACC

CCAGATAACCACCGGA.....

10

germline
TNVs

L S L S P G E R A T L S C R A
CTGTCTTTGTCTCCAGGGGAAAGAGCCACCCTCTCCTGCAGGGCC

.....

15

germline
TNV14,15
TNV148,196

S Q S V S S Y L A W Y Q Q K P
AGTCAGAGTGTTAGCAGCTACTTAGCCTGGTACCAACAGAAACCT

.....

.....TA.....

20

germline
TNVs

G Q A P R L L I Y D A S N R A
GGCCAGGCTCCCAGGCTCCTCATCTATGATGCATCCAACAGGGCC

.....

germline
TNVs

T G I P A R F S G S G S G T D
ACTGGCATCCCAGCCAGGTTCACTGGCAGTGGGTCTGGGACAGAC

.....

germline
TNVs

F T L T I S S L E P E D F A V
TTCACTCTCACCATCAGCAGCCTAGAGCCTGAAGATTTTGCAGTT

.....

Germline
TNVs

Y Y C Q Q R S N W P P F T F G
TATTACTGTCAGCAGCGTAGCAACTGGCCTCCATTCACTTTTCGGC

.....A.....

40

germline
TNVs

P G T K V D I K R
CCTGGGACCAAAGTGGATATCAAACGT

.....

45

FIGURE 3

09910137
2601035
3601035

germline MGFGLSWVFLVALLRGVQC

signal

TNVs

5 germline QVQLVESGGGVVQPGRSLRLSCAASGFTFS FR1
TNVs
TNV148 (B)I..

10 germline SYAMH CDR1
TNVs

15 germline WVRQAPGKGLEWVA FR2
TNVs
TNV148 (B)N.....

20 germline VISYDGSNKYYADSVKG CDR2
TNV14 I.L....S.K.....D
TNV15 F.L.....K.....
TNV148 (B) FM.....K.....
TNV196 F.....KS.....

germline RFTISRDN SKNTLYLQMNSLRAEDTAVYYCAR FR3
TNV14
TNV15A.....
TNV148P.....
TNV148B
TNV196 ...V.....F.....F.....

germline -----Y Y Y Y Y G M D V
TNV14 DRGISAGGN..... CDR3
TNV15 ...V....N.....
TNV148 (B)A...N.....
TNV196G...N.....

40 germline WGQGT T V T V S S J6
TNVs

FIGURE 4

09950137 0301035

	TNVs	PAQLLFLLLLWLPDTTG	signal
5	germline TNVs	EIVLTQSPATLSLSPGERATLSC	FR1
10	germline TNV14 TNV15 TNV148 (B) TNV196	RASQSVSSYLAY.....Y.....	CDR1
15	germline TNVs	WYQQKPGQAPRLLIY	FR2
20	germline TNVs	DASNRAT	CDR2
25	germline TNVs	GIPARFSGSGSGTDFTLTISSLEPEDFAVYYC	FR3
30	germline TNVs	QQRSNWPPFT	CDR3
35	germline TNVs	FGPGTKVDIK	J3

FIGURE 5

p1776

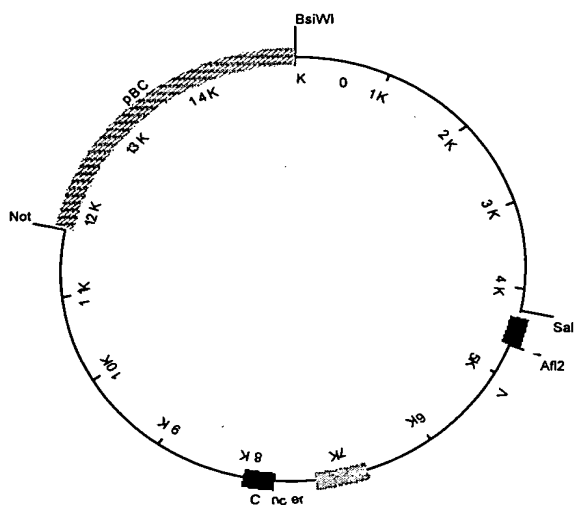


FIGURE 6

092023-08010

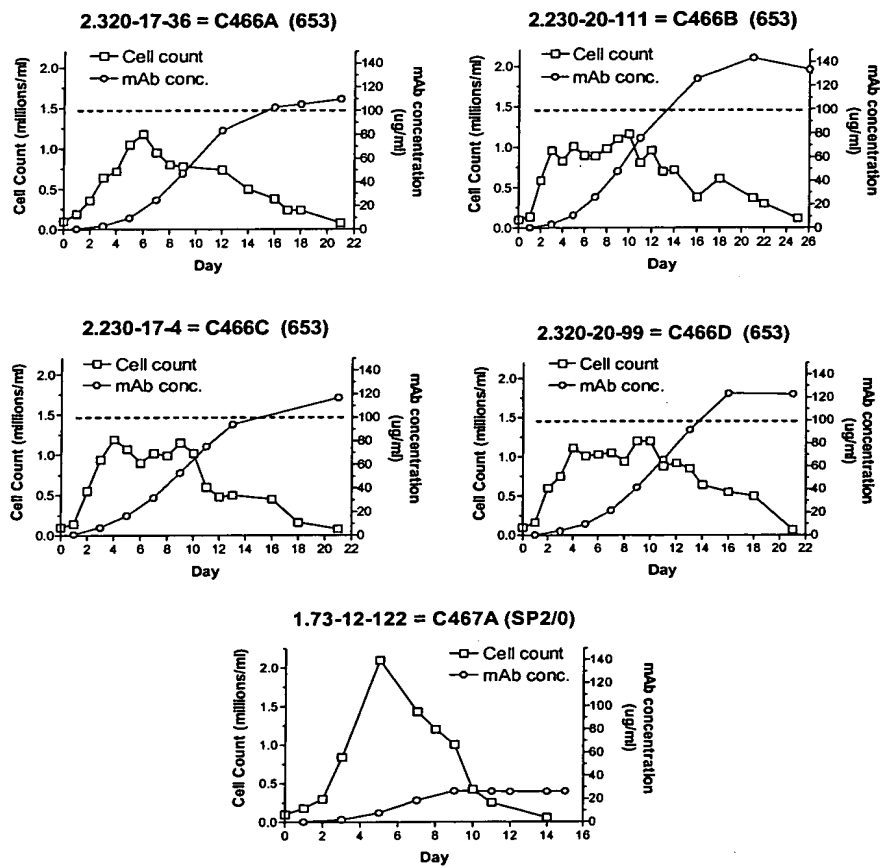
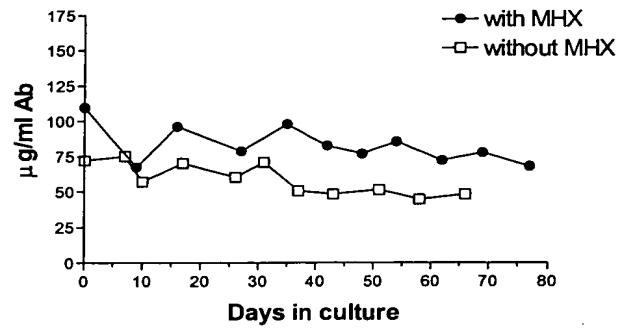


FIGURE 7

C466C



C466D

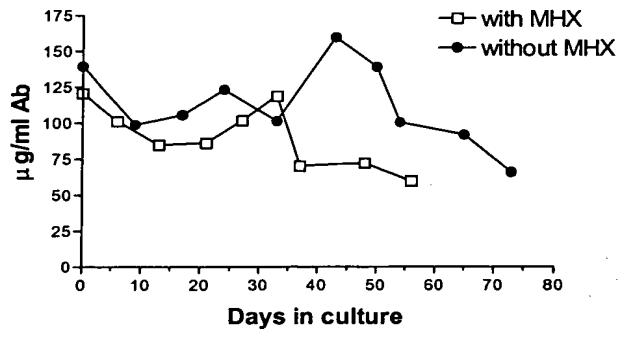


FIGURE 9

09920137-080101

5

10

15

20

03920137

30

30104

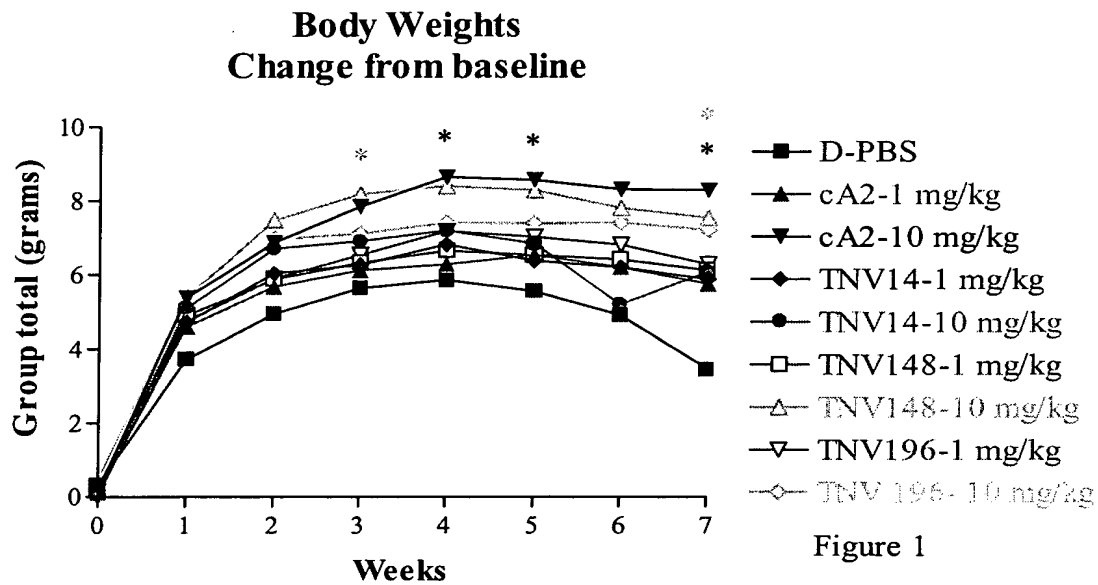


FIGURE 10

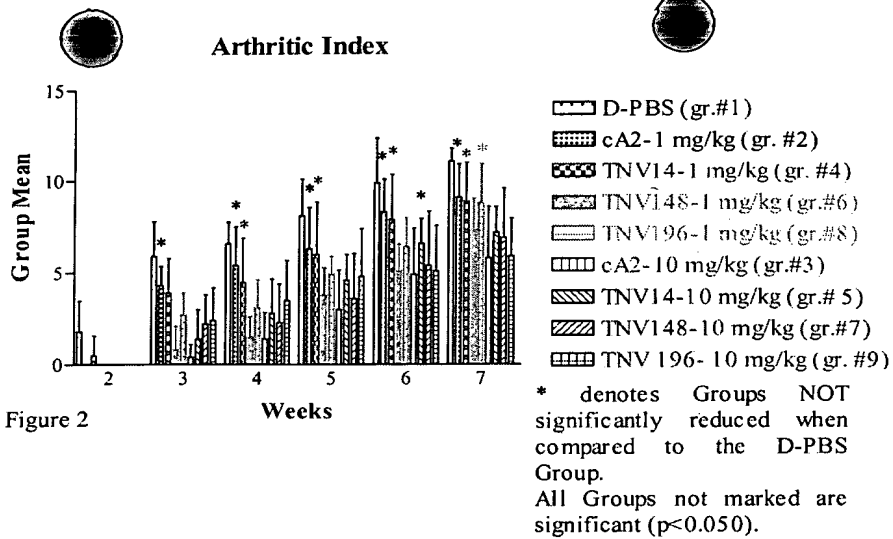


FIGURE 11A

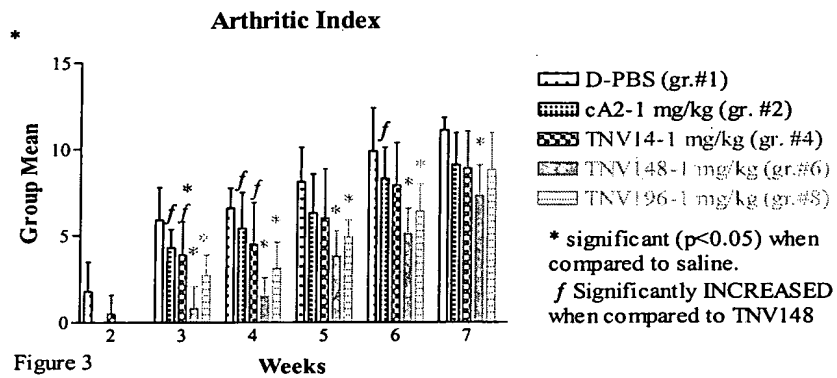


FIGURE 11B

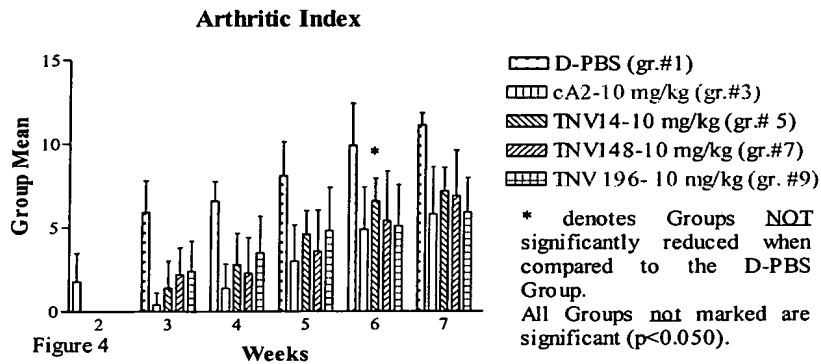


FIGURE 11C

5

10

15

20

25

30

35

Change in Body Weight
(Group means)

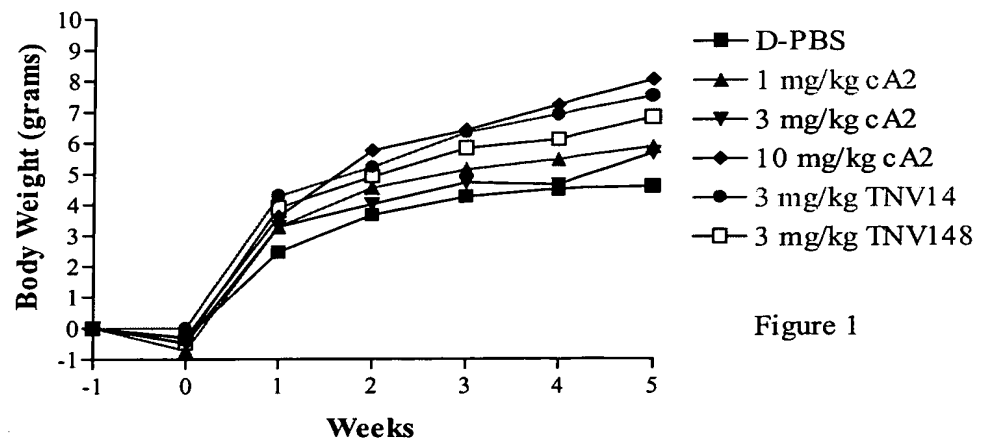


Figure 1

FIGURE 12

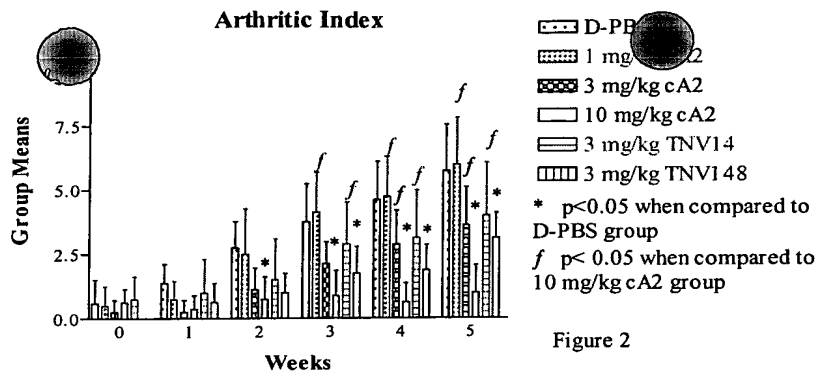


Figure 2

FIGURE 13A

**Arthritic Index
(Controls)**

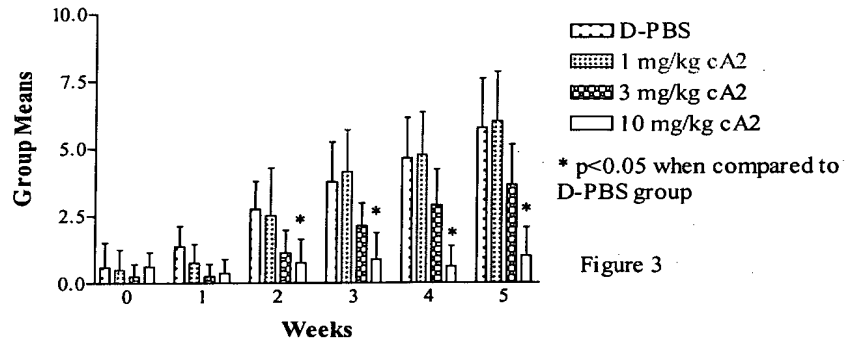


Figure 3

FIGURE 13B

Arthritic Index

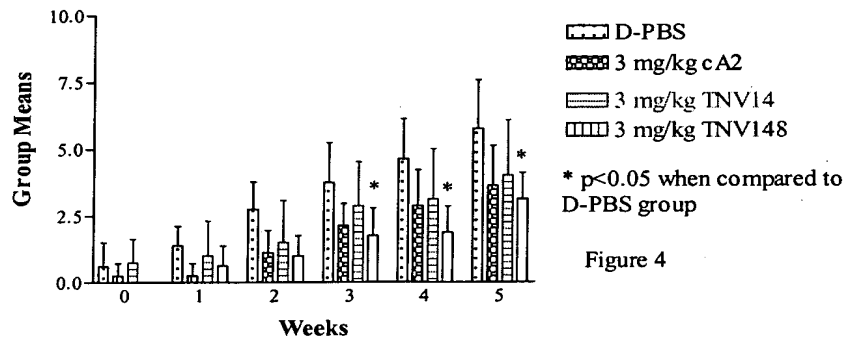


Figure 4

FIGURE 13C

5

Change in Body Weight

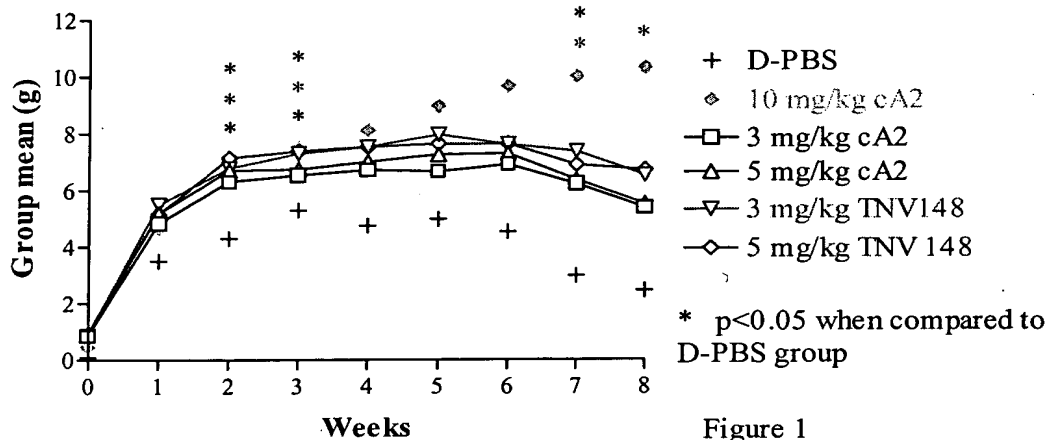


Figure 1

FIGURE 14

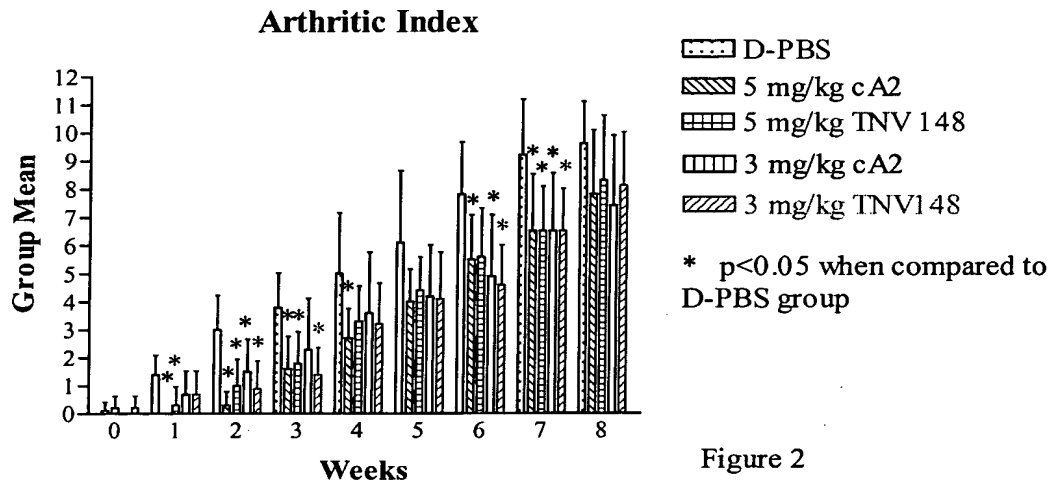


Figure 2

FIGURE 15



Change in Body Weight

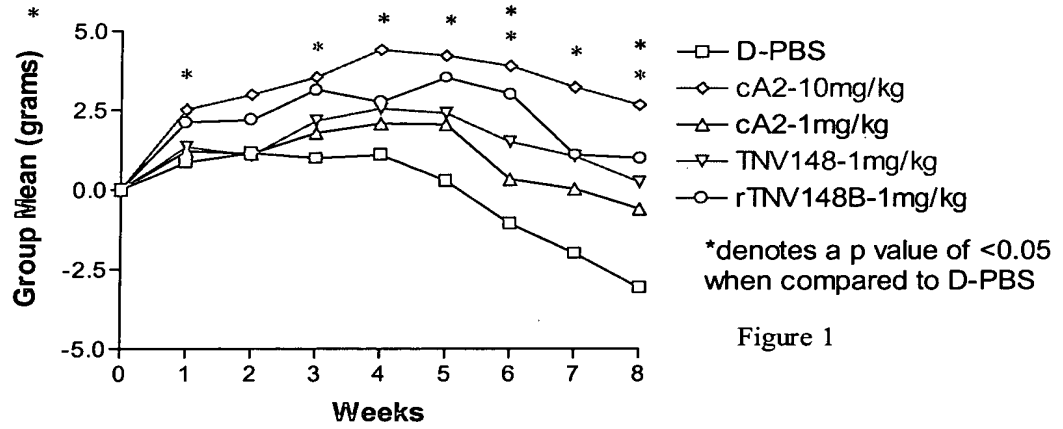


Figure 1

FIGURE 16



Arthritic Index

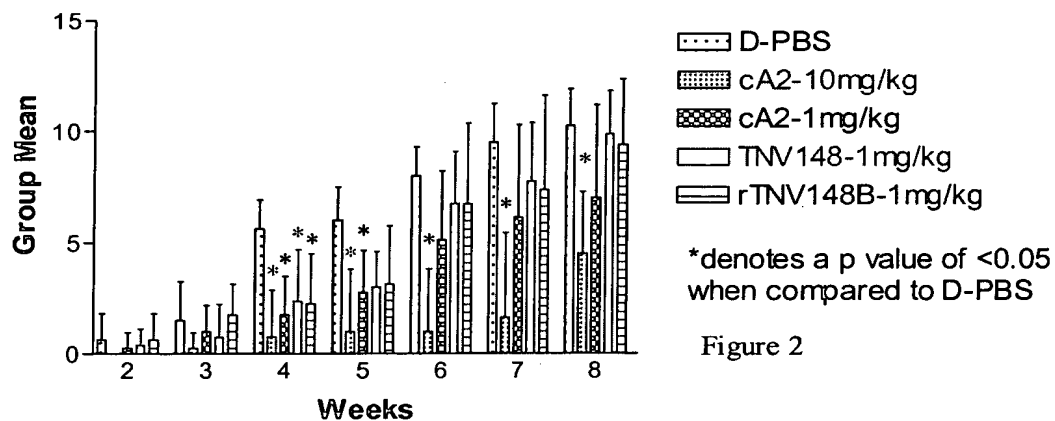


Figure 2

FIGURE 17

25
T0T0B0 /ET02600
2000 /ET02600